BRUHATH BANGALORE MAHANAGARA PALIKE

Name of work:Maintenance of Burial Ground in Bahubali Nagar in Ward No 16, BBMP, Bangalore

Est. Cost in Lakhs : 50.00

Sl. No.	Description	Unit	Dimensions No.	L.	B.	D	Qty.	Rate	Amount
1	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 (Page No.6, Item No. 2.3 of KPWD SR 2018-19)								
	For Foundation Compound Wall	Cum	1	245.00	1.00	1.00	245.00		
	site cleaning		1	89.00	65.00	0.40	2314.00		
						Total	2559.00	420.88	1077032.00
	Basic Rate	299.00							
	Add Loading and unloading	57.00							
	Add for lead for earth (1.28 Tonne / Cum) 16km	40.96							
	Area weightage @ 8%	23.92							
	Total	420.88							
2	KSRB 4-1.7 : Providing and laying in position plain cement concrete of mix M10 with OPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregtes @ 0.56cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (I-4.7 P-13 of KPWD SR 2018-19)								
	For PCC Bed	Cum	1.0	215.00	1.00	0.15	32.25		
						Total	32.25	5733.72	184912.00
	Basic Rate	5309.00							
	Area weightage @ 8%	424.72							
	Total	5733.72							
3	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix M20 with cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.6 (I-4.6, P- 13 of KPWD SR 2018-19)								
	For Plinth	Cum	1.0	215.00	0.45	0.15	14.51		
	for footing		38.0	0.90	0.90	0.90	27.70		
	for columns		38.0	0.23	0.45	2.50	9.83		
						Total	52.05	5,855.76	3,04,775.00
	Basic Rate	5,422.00							
	Area weightage @ 8%	433.76							
	Total	5855.76							
4	Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 (Steel=1.075Qtl) (PWD -P-18-I-4.46.2)								
	52.05*90kgs/cmt	Tonne					4.68		
						Total	4.68	76,643.28	358691.00
	Basic Rate	70966.00							
	Area weightage @ 8%	5677.28							

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Sl. No.	Description	Unit	Dimensions No.	L.	B.	D	Qty.	Rate	Amount
	Total	76643.28							
5	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (PWD - P-16, I-4.28)								
	For footing	Sqm	38	3.00		0.90	102.60		
	For plinth		2	215.00		0.15	64.50		
						Total	167.10	278.64	46561.00
	Basic Rate	258.00							
	Area weightage @ 8%	20.64							
	Total	278.64							
6	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specification. (PWD - P-16, I-4.32)								
	For columns	Sqm	38	1.36		2.50	129.20		
						Total	129.20	492.48	63628.00
	Basic Rate	456.00							
	Area weightage @ 8%	36.48							
	Total	492.48							
7	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (I-5.6, P-25 of KPWD SR 2018-19)								
	For Foundation	Cum	1	215.00	1.00	0.23	49.45		
			1	215.00	0.80	0.23	39.56		
			1	215.00	0.80	0.45	77.40		
			1	215.00	0.75	0.45	72.56		
		deduct	38	0.90	0.75	0.90	-23.09		
						Total	215.89	4963.68	1071596.00
	Basic Rate	4596.00					196		
	Area weightage @ 8%	367.68							
	Total	4963.68							
8	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (I-5.9, P-25 of KPWD SR 2018-19)								
	For Basement	Cum	1	215.00	0.45	0.40	38.70		
			38	0.75	0.45	0.40	-5.13		
						Total	33.57	5921.64	198789.00
	Basic Rate	5483.00							
	Area weightage @ 8%	438.64							
	Total	5921.64							
9	KSRB 5-14.1 : Providing and constructing precast concrete solid blocks with compressive strength not less than 3.50 newton per sqmm with cement mortar 1 :4 (quoin, Jamb, closer blocks) with solid concrete blocks of size **40x15x20cms**. (LxBxH) conforming to I.S : 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. KBS 5.1.13 (I-5.27.2, P-27 of KPWD SR 2018-19)								
		Cum	1	210.00		2.50	525.00		
			38	0.23		2.50	-21.85		
						Total	503.15	1029.24	517862.00
	Basic Rate	953.00							
	Area weightage @ 8%	76.24							
	Total	1029.24							

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Sl. No.	Description	Unit	Dimensions				Qty.	Rate	Amount
			No.	L.	B.	D			
10	KSRB 15.1.3 – do – Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications (I-15.3 P-115 of KPWD SR 2018-19).								
	For Basement		2	215.00	0.45		193.50		
						Total	193.50	153.36	29675.00
	Basic Rate	142.00							
	Area weightage @ 8%	11.36							
	Total	153.36							
11	KSRB 15.3.1Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (I-15.9 P-115 of KPWD SR 2016-17).								
			2	210.00		2.50	1050.00		
						Total	1050.00	227.88	239274.00
	Basic Rate	211.00							
	Area weightage @ 8%	16.88							
	Total	227.88							
12	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint with primer of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications with primer (PWD - P- 120 - I -15.53.2)								
		smt						1,050.00	
						Total	1050.00	110.16	115668.00
	Basic Rate	102.00							
	Area weightage @ 8%	8.16							
	Total	110.16							
								Sub Total	4208463.00
								TP 5%	210423.15
								GST 12%	530266.34
								Project Management Consultancy 1%	50000.00
								Miscelleneous & Rounding off	847.51
								Grand Total	5000000.00

CERTIFICATE

1) The work spot has been inspected and the work is found to be necessary.
2) This estimate is prepared as per C.S.R. of 2016-17 and as per rate analysis.
3) The provisions were made in this estimate are necessary and adequate.
4) This works come under B.B.M.P. limits.

Asst.Engineer
Ward no.16

Assistant Executive Engineer
Yeshwanthpura Sub divison
Bruhat Bengaluru Mahanagara Palike

Executive Engineer
R.R.Nagara Division
Bruhat Bengaluru Mahanagara Palike

ನಂ : 286 ದಿನಾಂಕ: 17/2/2020
ರೂ. 50.00 lakes & fifty lakes only)
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ಕಾರ್ಯಪಾಲಕ ಎಂಜಿನಿಯರ್
ಆರ್.ಆರ್. ನಗರ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ-72

TECHNICAL SANCTION
Rs: 50,00,000/- (Rs. Fifty lakhs only) is accorded under the head: P-3291 14th finance.
By CE(R.R.N.), P.N -154-155
Registered as CE (R.R.N) No: 596/19-20 subject to conditions contained in enclosed memo No: 596/19-20 Date. 25/02/2020
TA, CE (R.R.N.)

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